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Noyes, Raymond Pearl, Michael I. Pupin, S. W. Stratton, V. C. Vaughan, and others to be appointed.

MEMBERS

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 DR. MARSTON T. BOGERT, professor of organic chemistry, Columbia University.
 DR. JOHN A. BRASHEAR, Allegheny, Pa.
 DR. JOHN J. CARTY, chief engineer, American Telephone & Telegraph Co.
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 DR. EDWIN G. CONKLIN, professor of zoology, Princeton University.
 DR. JOHN M. COULTER, professor of botany, University of Chicago.
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 DR. GEORGE E. HALE, director, Mt. Wilson Solar Observatory.
 MR. CLEMENS HERSCHEL, president, American Society of Civil Engineers.
 DR. WILLIAM H. HOLMES, curator, United States National Museum.
 DR. W. W. KEEN, president, American Philosophical Society.
 MR. VAN H. MANNING, director, Bureau of Mines.
 PROFESSOR CHARLES F. MARVIN, chief, United States Weather Bureau.
 PROFESSOR A. A. MICHELSON, director, Ryerson Physical Laboratory, University of Chicago.
 DR. ROBERT A. MILLIKAN, professor of physics, University of Chicago.
 DR. ARTHUR A. NOYES, director, research laboratory of physical chemistry, Massachusetts Institute of Technology.
 DR. RAYMOND PEARL, director, Maine Agricultural Experiment Station.
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 DR. MICHAEL I. PUPIN, professor of electro-mechanics, Columbia University.
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 DR. THEODORE W. RICHARDS, director, Walcott

Gibbs Memorial Laboratory, Harvard University.

MR. C. E. SKINNER, director, research laboratory, Westinghouse Electric & Manufacturing Co.
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 DR. VICTOR C. VAUGHAN, director, medical research laboratory, University of Michigan.
 DR. CHARLES D. WALCOTT, secretary, Smithsonian Institution.
 DR. WILLIAM H. WELCH, president, National Academy of Sciences.
 DR. W. R. WHITNEY, director, research laboratory, General Electric Co.

SCIENTIFIC NOTES AND NEWS

ON the occasion of the celebration of the 150th anniversary of Rutgers College the degree of doctor of science was conferred on Dr. J. L. R. Morgan, of the class of '92, professor of physical chemistry in Columbia University; on Dr. Peter Cooper Hewitt, of New York City, and on Chuzaburo Shiba, professor of mechanical engineering in the Imperial University of Tokyo.

THE Italian Society of Sciences has awarded its gold medal for 1915 to Professor P. Calapso, of the University of Messina, for his researches in geometry.

EDWARD RAY WEIDLEIN has been appointed associate director of the Mellon Institute of Industrial Research of the University of Pittsburgh. Mr. Weidlein has held an industrial fellowship since 1910, and during the past four years has been in active charge of the hydrometallurgical investigations of the institute.

MR. VICTOR A. BEEDE, assistant state forester of New Hampshire, has been elected executive secretary of the New York State Forestry Association, with headquarters at the Chamber of Commerce Building, Syracuse, N. Y.

At its meeting held on October 11, the Rumford Committee of the American Academy of Arts and Sciences appropriated the sum of \$300 to Professor J. A. Parkhurst, of the Yerkes Observatory, in aid of his investigation on the determination of the photo-visual scale of stellar magnitudes.

WE learn from the *Journal* of the American Medical Association that the governor of Minnesota has appointed a commission composed of the following members to investigate and report on the need of additional health safeguards for the citizens of the state: Dr. E. P. Lyon, dean of the University of Minnesota Medical School, Minneapolis; C. G. Schultz, superintendent of the state department of education; William F. Houk, state labor commissioner; C. J. Swendsen, chairman, state board of control; Senator L. E. Potter, Springfield; Drs. Arthur T. Laird, superintendent of the Nopeming Sanatorium; Louis B. Wilson, Rochester; Warren L. Beebe, president, and Ignatius J. Murphy, St. Paul, executive secretary of the Minnesota Public Health Association. At the meeting for organization, held September 20, in St. Paul, Dr. E. P. Lyon was elected chairman, and Dr. Ignatius J. Murphy, secretary of the commission.

THE motion picture film, "How Life Begins," was presented on October 6, before the New York Association of Biology Teachers. This picture has been perfected by George E. Stone, A.B., of Berkeley, Cal., in collaboration with Dr. J. A. Long, assistant professor of embryology of the University of California. It embodies many interesting features in the life-history of the different classes of animals.

At its regular fall meeting on September 27, the Elisha Mitchell Scientific Society elected the following officers for the coming year: *President*, T. F. Hickerson; *vice-president*, J. G. Beard; recording-secretary, J. W. Lasley, Jr. The following were elected to associate membership in the society: R. P. Brooks, J. W. Hale, J. W. Scott, C. W.

Higgins, A. C. Forney, W. T. Harper, Geo. Slover, M. M. Williams, and S. H. Hobbs, Jr. At the first meeting for discussion, on October 10, two papers were presented to the society by Dr. A. S. Wheeler on "The Second International Chemical Exposition," and by J. W. Lasley, Jr., on "Some Elementary Vector Equations."

THE Cartwright lectures of the Association of the Alumni of the College of Physicians and Surgeons, Columbia University, will be given on October 24 and 25, at 5 o'clock, by Dr. Richard M. Pearce, Jr., professor of research medicine of the John Herr Musser Department of Research Medicine, University of Pennsylvania. His subject will be "The Spleen in Its Relation to Blood Destruction and Regeneration."

THE twelfth course of Harvey Society lectures will begin on October 14 and close on April 7. The lectures will be given on Saturday evenings in the New York Academy of Medicine. The following lectures are announced: October 14—Professor J. S. Haldane, "The New Physiology"; November 4—Dr. F. M. Allen, "The Rôle of Fat in Diabetes"; November 25—Dr. Paul A. Lewis, "Chemo-Therapy in Tuberculosis"; December 16—Professor Henry H. Donaldson, "Growth Changes in the Mammalian Nervous System"; January 13—Professor E. V. McCollum, "The Supplementary Dietary Relationships Among Our Natural Foodstuffs"; February 3—Professor J. W. Jobling, "The Influence of Non-Specific Substances on Infections"; February 24—Professor John R. Murlin, "The Metabolism of Mother and Offspring before and after Parturition"; March 17—Professor Francis W. Peabody, "Cardiac Dyspnea"; April 7—Professor W. H. Howell, "The Coagulation of the Blood."

PROFESSOR J. NORMAN COLLIE, director of the chemical laboratories of University College, London, gave a lecture on October 31, on "The Scientific Work of Sir William Ramsay."

OCTOBER 11 was observed by the Chicago Medical Society as Dr. John B. Murphy me-

morial night. The following were announced as speakers: Drs. George W. Crile, Cleveland; C. A. L. Reed, Cincinnati; Frank Billings, L. L. McArthur, E. Wyllys Andrews, D. A. K. Steele, A. D. Bevan, W. E. Quine, A. J. Ochsner, Jacob Frank and W. A. Evans.

A BRONZE bust of Dr. Nicholas Senn has been presented to the Wisconsin Historical Museum, Madison, by Dr. Emanuel J. Senn, of Chicago. Dr. Senn began his practise as a country practitioner near Fond du Lac in 1869.

DR. LEVI LEONARD CONANT, head of the department of mathematics at the Worcester Polytechnic Institute, was killed by an automobile truck on October 11. Professor Conant was born in 1857. He was known for his work on primitive number concepts, the history of mathematical notation and the theory of functions and of graphs.

DON JOSÉ ECHEGARAY, professor of mathematical physics in the University of Madrid, and distinguished also as a poet and dramatic author, died on September 15, aged eighty-three years.

DR. V. VON CZERNY, professor of surgery at the University of Heidelberg since 1877 and chief of the cancer research hospital there, has died, aged seventy-four years.

THE death is also announced of A. Magnan, one of the leading alienists of France.

MR. R. J. L. GUPPY, known for his work on the geology of Trinidad and other West Indian Islands, has died at the age of eighty years.

THE death in Munich, on June 22, of Mr. Gustav Mann, is announced in *Nature*. Mr. Mann, who was in his eighty-first year, was known for his botanical work in Africa and India.

MR. E. G. KENSIT, a member of the Botanical Department of the South African College, has been killed in the war.

THE *Auk* for October contains obituary notices of several ornithologists, John Alex-

ander Harvie-Brown, D.D., died at his residence, Dunipace House, Stirlingshire, Scotland, July 26, 1916. He was born at Dunipace, August 27, 1844, and spent his life there, being a landed proprietor who devoted himself to natural history. He was best known for his work in connection with the "Vertebrate Fauna of Scotland," of which he was chief editor and author of many of the volumes. He was also the founder, owner and joint editor of the "Annals of Scottish Natural History," as well as a supporter of its successor, "The Scottish Naturalist." Col. Herbert Hastings Harrington, the British ornithologist, noted for his work on the "Birds of Burma" (1909) and for numerous papers on Indian birds, was killed in the campaign in Mesopotamia on March 8, 1916. He was born on January 16, 1868, at Lucknow. Lieutenant-Colonel Boyd Robert Horsbrugh, well known as the author of "The Game Birds and Water-Fowl of South Africa" and of numerous articles in *The Avicultural Magazine* died at his home in Surrey, England, on July 11, having been invalided home from France in 1915. Colonel Horsbrugh was born at Poona on July 27, 1871. John Claire Wood, known in Michigan as an oologist and ornithologist, died June 16, 1916, at his home in Detroit, aged forty-five years.

UNIVERSITY AND EDUCATIONAL NEWS

PLEDGES have been received for the full amount of the Vassar College million dollar endowment fund. \$200,000 had been pledged by the General Education Board of the Rockefeller Foundation on condition that the balance be raised. The fund will be used for the endowment and equipment of the college.

THE merger of the medical department of the University of Pennsylvania and the Jefferson Medical College has been postponed for a year, and it is thought that the union may be abandoned.

THE new chemistry building of the Throop College of Technology which with its equipment will cost nearly \$100,000 is approaching